

Notice of Allowability

Application No.

10/508,829

Examiner

Victor J. Taylor

Applicant(s)

BRUSAROSCO ET AL.

Art Unit

2863

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/12/2007.
2. ☒ The allowed claim(s) is/are 19-46.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

1. Claims 19-46 are pending. The applicant canceled claims 1-18, therefore claims 19-46 are presented for examination.

Response to Arguments

2. Applicant's arguments, see the amendments, filed 6/12/2007, with respect to the objection to the abstract have been fully considered and are persuasive. The objection to the specification of 2/13/2007 is moot and has been withdrawn.
3. Applicant's arguments, see the response and the amendments to the claims, filed 6/12/2007, with respect to the rejection under 35 USC 101 issues have been fully considered and are persuasive. The rejection of claims 19-26 under 35 USC 101 of 2/13/2007 is moot and has been withdrawn.

Allowable Subject Matter

4. Claims 19-46 are allowed.
5. The following is an examiner's statement of reasons for allowance:
 - I. Wherein Claim 19 provides for monitoring instantaneous behavior of a tire in a rolling condition with steps for "acquiring and storing, at least temporarily, at least one reference curve representing an acceleration profile of at least one specified point of the tire during at least one portion of a revolution of the tire"..."[and] with steps for "continuously acquiring signals of acceleration of at least one point during at least one portion of a revolution"..."[and] with computation steps for "deriving from the signals of acceleration at least one cyclic curve of acceleration of the at least one point during the

at least one portion of a revolution"...[and] wherein the particular claimed steps for "comparing the at least one cyclic curve with the at least one reference curve and emitting a signal depending on the comparison"...[and] wherein the at least one reference curve represents the acceleration profile of the at least one point in at least two directions...[and] wherein the particularly claimed steps in combination with "the directions contain two or more of a centripetal direction, and a tangential direction, and a lateral direction" wherein the signals of acceleration of the at least one point in the at least two directions are continuously acquired and the emitted signal indicates the instantaneous behavior of the tire is not found in the cited art of record and is allowable over the cited art of record.

It is these arguments of record for the claim limitations and the limitations expressed in each of these claims that are not found, taught, or suggested in the prior art of record, that makes these claims allowable over the prior art.

As to dependent claims 20-35, which are variously dependent on the allowed independent claim 19 and are allowed at least for the reasons cited above.

II. Wherein Claim 27 provides for a system for monitoring the instantaneous behavior of a tire in a rolling condition with apparti for at least "one memory element for acquiring and storing, at least temporarily, at least one reference curve representing an acceleration profile of at least one specified point of the tire during at least one portion of a revolution of the tire"...[and] "at least one sensor associated with the at least one point for emitting, over a period of time, the signals of acceleration of the at least one point"...[and combined with the "receiving device for continuously acquiring the signals

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of acceleration of the at least one point during the at least one portion of a revolution and with an elaboration unit incorporating a computer program for determining from the signals of acceleration at least one cyclic curve of acceleration of the at least one point during the at least one portion of a revolution” and wherein the elaboration unit continuously compares the at least one cyclic curve with the at least one reference curve from which the elaboration unit emits a signal depending on the comparison...[and] wherein at least one reference curve represents the acceleration profile of the at least one point in at least two directions...[and] combined with the directions of two or more of a centripetal direction, and a tangential direction, and a lateral direction...[and] wherein the signals of acceleration of the at least one point in the at least two directions are emitted and wherein the emitted signal depending on the comparison indicates the instantaneous behavior of the tire is not found in the cited art of record and is allowable over the cited art of record.

It is these arguments of record for the claim limitations and the limitations expressed in each of these claims that are not found, taught, or suggested in the prior art of record, that makes these claims allowable over the prior art.

As to dependent claims 28-35, which are dependent on the allowed independent claim 36 and are allowed at least for the reasons cited above.

III. Wherein Claim 36 provides for a pneumatic tire, wherein at least “one sensor is associated with at least one specified point of the tire”...[and] with steps for at least one sensor emitting, over a period of time a signal representing an acceleration profile of the at least one point of the tire” during at least one portion of a revolution of the

tire...[and] with steps wherein the signal represents the acceleration profile in at least two directions"...[and] with the particularly claimed steps for "the directions comprise two or more of a centripetal direction, and a tangential direction, and a lateral direction" is not found in the cited art of record and is allowable over the cited art of record.

It is these arguments of record for the claim limitations and the limitations expressed in each of these claims that are not found, taught, or suggested in the prior art of record, that makes these claims allowable over the prior art.

As to dependent claims 37-46 variously dependent on the allowed independent claim 36 and are allowed at least for the reasons cited above.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Victor J. Taylor whose telephone number is 571-272-2281. The examiner can normally be reached on 8:00 to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Barlow can be reached on 571-272-2863. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

V. J. Taylor
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7/28/2007.


John Barlow
Supervisory Patent Examiner
Technology Center 2800